

Title (en)

Wireless power receiver and method of manufacturing the same

Title (de)

Drahtloser Leistungsempfänger und Herstellungsverfahren dafür

Title (fr)

Récepteur de puissance sans fil et son procédé de fabrication

Publication

EP 2744119 A1 20140618 (EN)

Application

EP 13196341 A 20131210

Priority

KR 20120145645 A 20121213

Abstract (en)

Disclosed are a wireless power receiver and a method of manufacturing the same. The wireless power receiver includes a first coil (400) to wirelessly receive power, a second coil (500) to make communication, and a first magnetic substrate (200) having first and second recesses spaced apart from each other. The first coil is disposed on the first recess of the first magnetic substrate, and the second coil is disposed on the second recess of the first magnetic substrate.

IPC 8 full level

H04B 5/00 (2006.01); **H01F 38/14** (2006.01); **H01F 41/00** (2006.01); **H01Q 5/40** (2015.01); **H01Q 7/00** (2006.01); **H01Q 21/28** (2006.01); **H02J 5/00** (2016.01)

CPC (source: EP KR US)

H01F 38/14 (2013.01 - US); **H01F 41/00** (2013.01 - KR US); **H01Q 5/40** (2015.01 - EP KR US); **H01Q 7/00** (2013.01 - EP KR US); **H01Q 21/28** (2013.01 - EP KR US); **H02J 13/00026** (2020.01 - KR); **H02J 50/005** (2020.01 - KR); **H02J 50/12** (2016.02 - EP KR US); **H02J 50/70** (2016.02 - EP KR US); **H02J 50/80** (2016.02 - KR); **H04B 5/263** (2024.01 - EP KR US); **H04B 5/72** (2024.01 - EP KR US); **H04B 5/79** (2024.01 - EP KR US); **H02J 50/005** (2020.01 - EP US); **Y02E 60/00** (2013.01 - EP); **Y04S 40/121** (2013.01 - EP); **Y04S 40/126** (2013.01 - EP)

Citation (applicant)

KR 20100130480 A 20101213 - UK TECH CO LTD [KR], et al

Citation (search report)

- [Y] EP 2518904 A2 20121031 - SAMSUNG ELECTRO MECH [KR]
- [Y] JP 2002299138 A 20021011 - KAWASAKI STEEL CO

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2744119 A1 20140618; **EP 2744119 B1 20170301**; CN 103872790 A 20140618; CN 103872790 B 20170301; KR 102019080 B1 20191104; KR 20140076994 A 20140623; US 2014167521 A1 20140619; US 9653208 B2 20170516

DOCDB simple family (application)

EP 13196341 A 20131210; CN 201310684439 A 20131213; KR 20120145645 A 20121213; US 201314103327 A 20131211